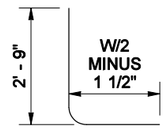
DRAWN BY: ADAM COCHRAN

WALL HT H	TYPE 10A W	BARS "A"&"F"	t	BAR "B"	SPIRAL BAR "G"	BARS "D"&"H"	TYPE 10B W	BARS "A"&"F"	t	BAR "B"	SPIRAL BAR "G"	BARS "D"&"H"	TYPE 10C W	BARS "A"&"F"	t	BAR "B"	SPIRAL BAR "G"	BARS "D"&"H"	TYPE 10D W	BARS "A"&"F"	t	BAR "B"	SPIRAL BAR "G"	BARS "D"&"H"	WALL HT H
6' - 0"	2' - 0"	3 ~ #4	5"	#4 @ 18"	W2.0 @ 2"	#3 @ 15"	2' - 3"	3 ~ #4	5"	#4 @ 18"	W2.0 @ 2"	#3 @ 12"	2' - 0"	3 ~ #4	5"	#4 @ 18"	W2.0 @ 2"	#3 @ 15"	2' - 6"	3 ~ #4	5"	#4 @ 18"	W2.0 @ 2"	#3 @ 11"	6' - 0"
8' - 0"	2' - 3"	3 ~ #4	5"	#4 @ 18"	W2.0 @ 2"	#3 @ 12"	2' - 9"	3 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 15"	2' - 6"	3 ~ #4	5"	#4 @ 18"	W2.0 @ 2"	#3 @ 10"	3' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 12"	8' - 0"
10' - 0"	2' - 6"	3 ~ #4	5"	#4 @ 18"	W2.0 @ 2"	#3 @ 9"	3' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 10"	2' - 9"	3 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 12"	3' - 6"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 10"	10' - 0"
12' - 0"	3' - 0"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 12"	3' - 9"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 10"	3' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 10"	4' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 1 3/4"	#5 @ 12"	12' - 0"
14' - 0"	3' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 10"	4' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 1 3/4"	#5 @ 11"	3' - 9"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 9"	5' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 1 3/4"	#5 @ 8"	14' - 0"
16' - 0"	3' - 9"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 2"	#4 @ 9"	5' - 3"	5 ~ #4	5"	#4 @ 18"	W4.0 @ 2"	#6 @ 12"	4' - 3"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 1 3/4"	#5 @ 11"	6' - 3"	5 ~ #4	5"	#4 @ 18"	W4.0 @ 2"	#6 @ 9"	16' - 0"
18' - 0"	4' - 0"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 1 3/4"	#5 @ 11"	6' - 0"	5 ~ #4	5"	#4 @ 18"	W4.0 @ 2"	#6 @ 9"	5' - 0"	5 ~ #4	5"	#4 @ 18"	W4.0 @ 2"	#6 @ 12"	7' - 0"	5 ~ #4	6"	#4 @ 18"	W4.0 @ 2"	#6 @ 9"	18' - 0"
20' - 0"	5' - 0"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 1 1/2"	#5 @ 9"	7' - 0"	5 ~ #4	6"	#4 @ 18"	W4.0 @ 2"	#6 @ 9"	5' - 9"	5 ~ #4	5"	#4 @ 18"	W4.0 @ 2"	#6 @ 10"	8' - 0"	6 ~ #4	6"	#4 @ 12"	W4.0 @ 1 3/4"	#6 @ 7"	20' - 0"
22' - 0"	5' - 6"	5 ~ #4	5"	#4 @ 18"	W3.0 @ 1 1/2"	#5 @ 7"	7' - 9"	5 ~ #4	6"	#4 @ 12"	W4.0 @ 1 3/4"	#6 @ 8"	6' - 6"	5 ~ #4	6"	#4 @ 18"	W4.0 @ 2"	#6 @ 9"	9' - 0"	6 ~ #4	7"	#4 @ 12"	W4.0 @ 1 3/4"	#6 @ 7"	22' - 0"
24' - 0"	6' - 3"	5 ~ #4	5"	#4 @ 15"	W3.0 @ 1 1/2"	#5 @ 6"	8' - 6"	5 ~ #4	7"	#4 @ 11"	W4.0 @ 1 3/4"	#6 @ 8"	7' - 6"	5 ~ #4	6"	#4 @ 12"	W4.0 @ 1 3/4"	#6 @ 8"	9' - 9"	6 ~ #4	7"	#4 @ 15"	W4.0 @ 1 3/4"	#6 @ 6"	24' - 0"

t = WALL THICKNESS

BENDING DIAGRAM

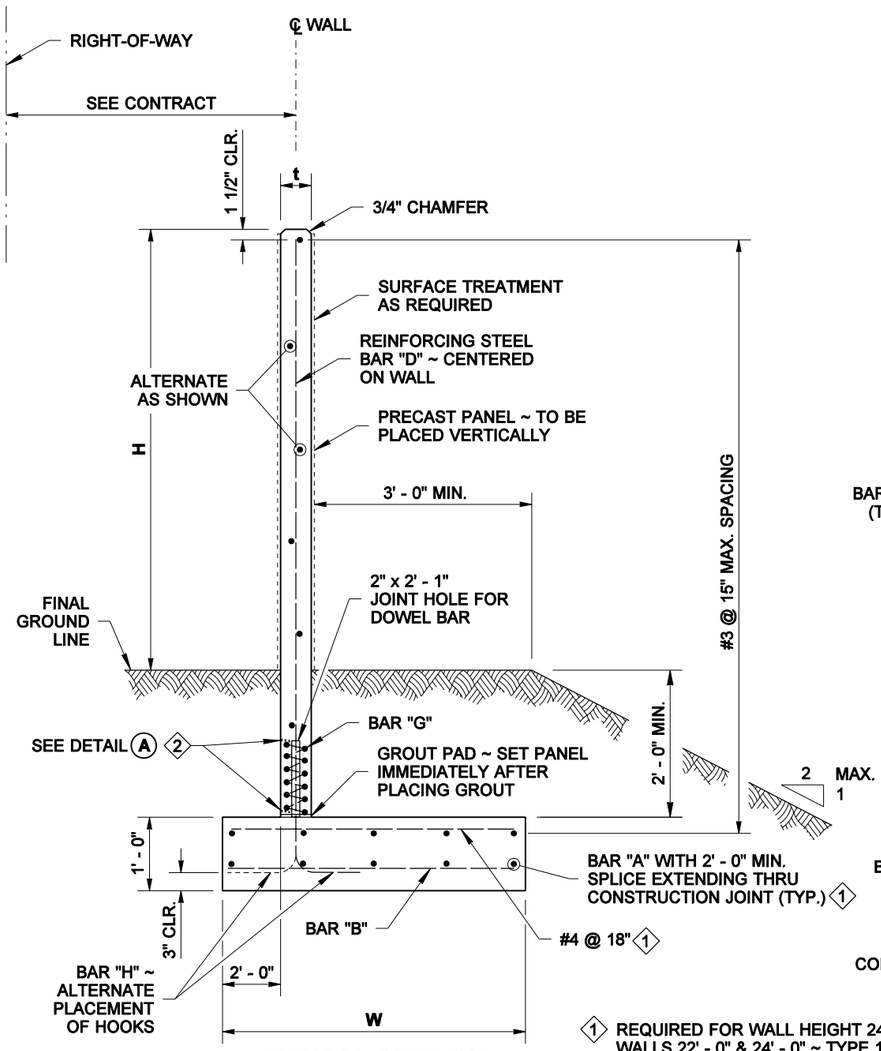


BAR "H"

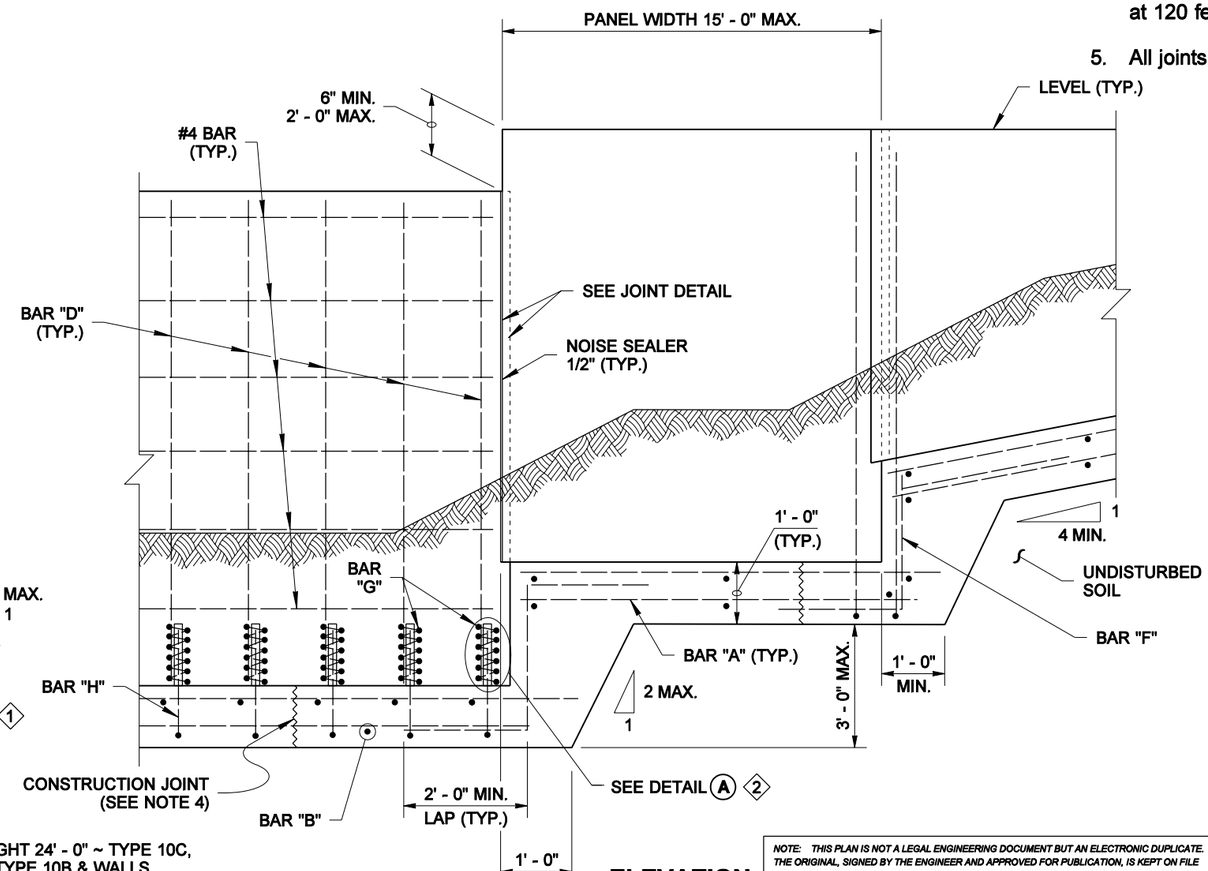
WIND EXPOSURE & VELOCITY		
NOISE BARRIER TYPE	WIND EXPOSURE	WIND VELOCITY (MPH)
10A	B1	80
10B	B1	90
10C	B2	80
10D	B2	90

NOTES

1. Wall to be designated Noise Barrier Wall Type 10A, 10B, 10C or 10D. The Contract specifies actual wall designation.
2. For intermediate wall heights, use the next higher H.
3. Panels shall have at least 3' - 0" of level ground on each side.
4. Construction joints in the footing shall be spaced at 120 feet maximum.
5. All joints shall be in full contact and sealed.



TYPICAL SECTION



ELEVATION

1 REQUIRED FOR WALL HEIGHT 24' - 0" ~ TYPE 10C, WALLS 22' - 0" & 24' - 0" ~ TYPE 10B & WALLS 20' - 0", 22' - 0" & 24' - 0" ~ TYPE 10D.

PRECAST CONCRETE WALL ON OFFSET SPREAD FOOTING

EXPIRES AUGUST 23, 2006

NOISE BARRIER WALL TYPE 10

STANDARD PLAN D-2.34-00

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Harold J. Peterfeso — STATE DESIGN ENGINEER — *11-10-05* — DATE

Washington State Department of Transportation

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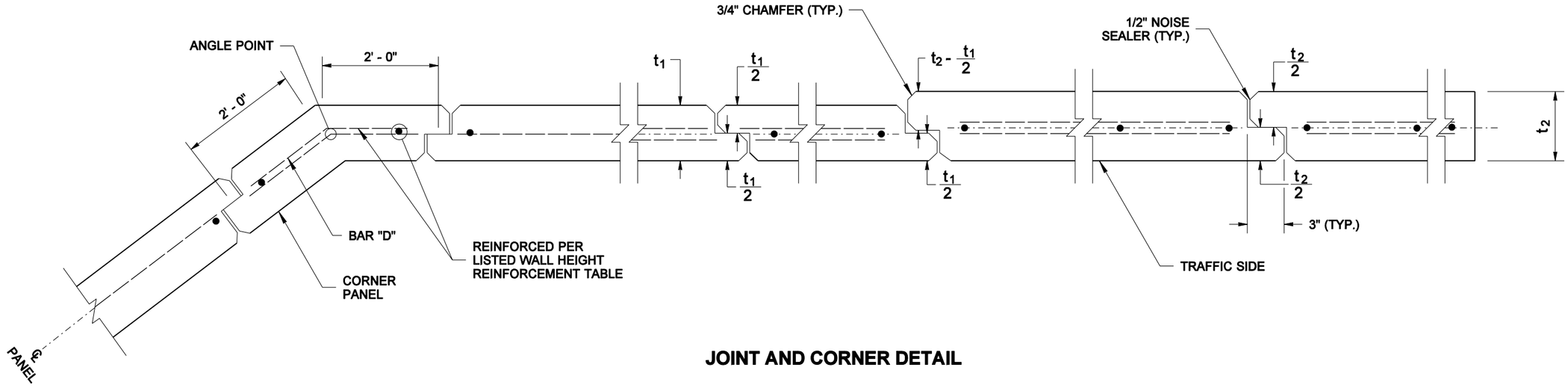
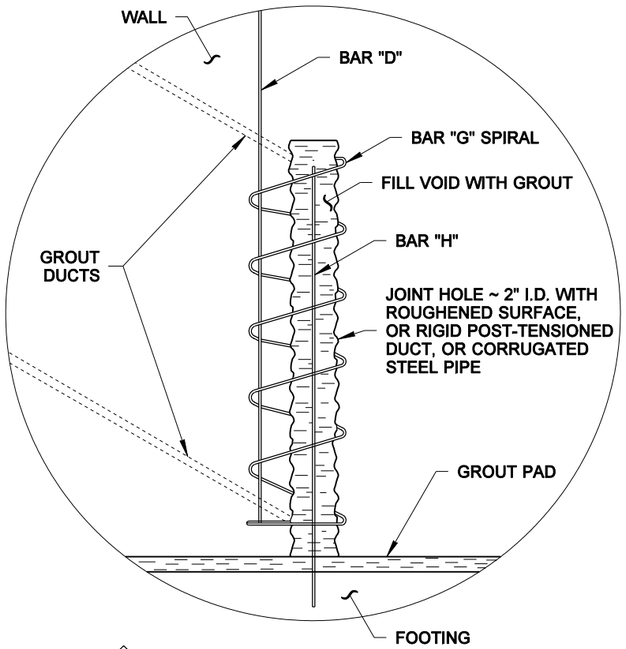
DRAWN BY: ADAM COCHRAN

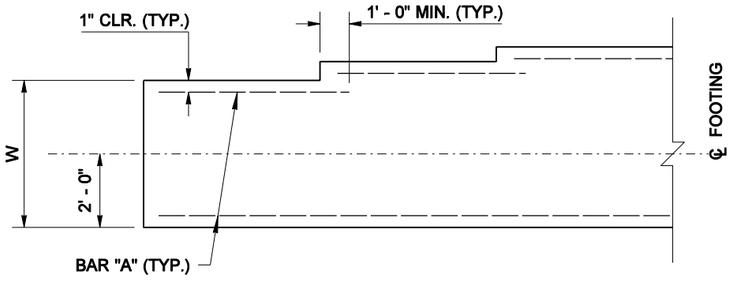


JOINT AND CORNER DETAIL



2 FILL THE JOINT HOLE WITH GROUT USING DUCTS. DUCTS SHALL BE LOCATED ON PANEL FACE OPPOSITE TRAFFIC

DETAIL A



(TRANSVERSE BARS NOT SHOWN)

FOOTING WIDTH TRANSITION DETAIL

FOR LOCATIONS WITHOUT FOOTING STEP

PRECAST CONCRETE WALL ON OFFSET SPREAD FOOTING

BIJAN KHALEGHI
STATE OF WASHINGTON
27695
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES AUGUST 23, 2006

NOISE BARRIER WALL TYPE 10

STANDARD PLAN D-2.34-00

SHEET 2 OF 2 SHEETS

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